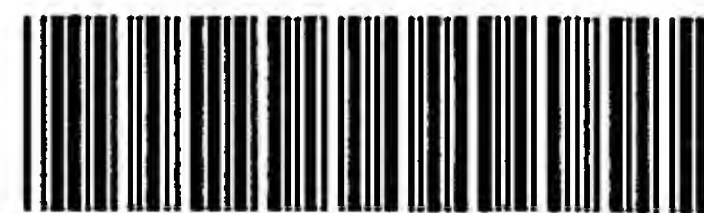


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/582,654
Source: IFWP
Date Processed by STIC: 06/22/2006

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IFWP

RAW SEQUENCE LISTING

DATE: 06/22/2006

PATENT APPLICATION: US/10/582,654

TIME: 12:50:23

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Output Set: N:\CRF4\06222006\J582654.raw

3 <110> APPLICANT: Ono et al.

5 <120> TITLE OF INVENTION: Modified antibodies recognizing receptor trimers
or higher multimers

7 <130> FILE REFERENCE: 75996-01

C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/582,654

C--> 9 <141> CURRENT FILING DATE: 2006-06-12

9 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/018507

10 <151> PRIOR FILING DATE: 2004-12-10

12 <150> PRIOR APPLICATION NUMBER: JP 2003-415735

13 <151> PRIOR FILING DATE: 2003-12-12

15 <160> NUMBER OF SEQ ID NOS: 42

17 <170> SOFTWARE: PatentIn version 3.1

19 <210> SEQ ID NO: 1

20 <211> LENGTH: 797

21 <212> TYPE: DNA

22 <213> ORGANISM: Artificial

24 <220> FEATURE:

25 <223> OTHER INFORMATION: An artificially synthesized nucleotide sequence

27 <400> SEQUENCE: 1

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32 ctgagactct cctgtgcagc ctctggattc acctttagca gctatgccat gagctgggtc      180
34 cgccaggctc caggggaagg gctggagtgg gtctcagcta ttagtggtag tggtagtagc      240
36 agatactacg cagactccgt gaagggcccg ttcaccatct ccagagacaa ttccaagaac      300
38 acgctgtatc tgcaaatgaa cagcctgaga gccgaggaca cggccgtata ttactgtgcg      360
40 aaagagagca gtggctgggt cggggccttt gactactggg gccagggaac cctggtcacc      420
42 gtctcctcag gtggagaaat tgtgctgact cagtctccag actttcagtc tgtgactcca      480
44 aaggagaaag tcaccatcac ctgccgggcc agtcagagca ttggtagtag cttacactgg      540
46 taccagcaga aaccagatca gtctccaaag ctctcatca agtatgcttc ccagtccttc      600
48 tcaggggtcc cctcgaggtt cagtggcagt ggatctggga cagatttcac cctcaccatc      660
50 aatagcctgg aagctgaaga tgctgcagcg tattactgtc atcagagtag tagtttaccg      720
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54 tgataagcgg ccgcaat                                     797

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57 <210> SEQ ID NO: 2

58 <211> LENGTH: 256

59 <212> TYPE: PRT

60 <213> ORGANISM: Artificial

62 <220> FEATURE:

63 <223> OTHER INFORMATION: An artificially synthesized peptide sequence

65 <400> SEQUENCE: 2

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66 Met Glu Phe Gly Leu Ser Trp Leu Phe Leu Val Ala Ile Leu Lys Gly
67 1           5           10           15
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70           20           25           30

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DATE: 06/22/2006

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TIME: 12:50:23

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72 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
73          35          40          45
75 Ser Ser Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
76      50          55          60
78 Glu Trp Val Ser Ala Ile Ser Gly Ser Gly Gly Ser Arg Tyr Tyr Ala
79 65          70          75          80
81 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn
82          85          90          95
84 Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val
85          100          105          110
87 Tyr Tyr Cys Ala Lys Glu Ser Ser Gly Trp Phe Gly Ala Phe Asp Tyr
88          115          120          125
90 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Glu Ile Val
91      130          135          140
93 Leu Thr Gln Ser Pro Asp Phe Gln Ser Val Thr Pro Lys Glu Lys Val
94 145          150          155          160
96 Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Gly Ser Ser Leu His Trp
97          165          170          175
99 Tyr Gln Gln Lys Pro Asp Gln Ser Pro Lys Leu Leu Ile Lys Tyr Ala
100          180          185          190
102 Ser Gln Ser Phe Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser
103          195          200          205
105 Gly Thr Asp Phe Thr Leu Thr Ile Asn Ser Leu Glu Ala Glu Asp Ala
106      210          215          220
108 Ala Ala Tyr Tyr Cys His Gln Ser Ser Ser Leu Pro Ile Thr Phe Gly
109 225          230          235          240
111 Gln Gly Thr Arg Leu Glu Ile Lys Asp Tyr Lys Asp Asp Asp Asp Lys
112          245          250          255
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116 <211> LENGTH: 794
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial
120 <220> FEATURE:
121 <223> OTHER INFORMATION: An artificially synthesized nucleotide sequence
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126 gtccagtgtg aggtacagct gttggagtc tggggagggt tggtagagcc tgggaggtcc      120
128 ctgagactct cctgtgcagc ctctggattc accttttagca gctatgccat gagctgggtc      180
130 cgccaggctc caggggaaggg gctggagtggt gtctcagcta ttagtggttag tggtagtagc      240
132 agatactacg cagactccgt gaagggccgg ttcacatctt ccagagacaa ttccaagaac      300
134 acgctgtatc tgcaaataaa cagcctgaga gccgaggaca cggccgtata ttactgtgcg      360
136 aaagagagca gtggctgggt cggggccttt gactactggg gccaggggaa cctgggtcacc      420
138 gtctcctcag gtgaaattgt gctgactcag tctccagact ttcagtctgt gactccaaag      480
140 gagaaagtca ccatcacctg ccgggcccagt cagagcattg gtagtagctt aactgggtac      540
142 cagcagaaac cagatcagtc tccaaagctc ctcatcaagt atgcttccca gtccttctca      600
144 ggggtcccct cgagggttcag tggcagtggg tctgggacag atttcaccct caccatcaat      660
146 agcctggaag ctgaagatgc tgcagcgtat tactgtcatc agagtagtag tttaccgatc      720
148 accttcggcc aagggaacac actggagatt aaagactaca aggatgacga cgataagtga      780
150 taagcggccg caat                                     794

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DATE: 06/22/2006

TIME: 12:50:24

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155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial
158 <220> FEATURE:
159 <223> OTHER INFORMATION: An artificially synthesized peptide sequence
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165 Val Gln Cys Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln
166 20 25 30
168 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
169 35 40 45
171 Ser Ser Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
172 50 55 60
174 Glu Trp Val Ser Ala Ile Ser Gly Ser Gly Gly Ser Arg Tyr Tyr Ala
175 65 70 75 80
177 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn
178 85 90 95
180 Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val
181 100 105 110
183 Tyr Tyr Cys Ala Lys Glu Ser Ser Gly Trp Phe Gly Ala Phe Asp Tyr
184 115 120 125
186 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Glu Ile Val Leu
187 130 135 140
189 Thr Gln Ser Pro Asp Phe Gln Ser Val Thr Pro Lys Glu Lys Val Thr
190 145 150 155 160
192 Ile Thr Cys Arg Ala Ser Gln Ser Ile Gly Ser Ser Leu His Trp Tyr
193 165 170 175
195 Gln Gln Lys Pro Asp Gln Ser Pro Lys Leu Leu Ile Lys Tyr Ala Ser
196 180 185 190
198 Gln Ser Phe Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly
199 195 200 205
201 Thr Asp Phe Thr Leu Thr Ile Asn Ser Leu Glu Ala Glu Asp Ala Ala
202 210 215 220
204 Ala Tyr Tyr Cys His Gln Ser Ser Ser Leu Pro Ile Thr Phe Gly Gln
205 225 230 235 240
207 Gly Thr Arg Leu Glu Ile Lys Asp Tyr Lys Asp Asp Asp Asp Lys
208 245 250 255
211 <210> SEQ ID NO: 5
212 <211> LENGTH: 791
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial
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217 <223> OTHER INFORMATION: An artificially synthesized nucleotide sequence
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222 gtccagtgtg aggtacagct gttggagtct gggggaggct tggtacagcc tgggaggtcc 120
224 ctgagactct cctgtgcagc ctctggattc accttagca gctatgccat gagctgggtc 180

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230 acgctgtatc tgcaaatgaa cagcctgaga gccgaggaca cggccgtata ttactgtgcg 360
232 aaagagagca gtggctgggt cggggccttt gactactggg gccaggggaa cctgggtcacc 420
234 gtctcctcag aaattgtgct gactcagtct ccagactttc agtctgtgac tccaaaggag 480
236 aaagtcacca tcacctgccg ggccagtcag agcattggta gtagcttaca ctggtaccag 540
238 cagaaaccag atcagtctcc aaagctcctc atcaagtatg cttcccagtc cttctcaggg 600
240 gtcccctcga ggttcagtgg cagtggatct gggacagatt tcaccctcac catcaatagc 660
242 ctggaagctg aagatgctgc agcgtattac tgtcatcaga gtagtagttt accgatcacc 720
244 ttcggccaag ggacacgact ggagattaaa gactacaagg atgacgacga taagtataa 780
246 gcgggccgcaa t 791
249 <210> SEQ ID NO: 6
250 <211> LENGTH: 254
251 <212> TYPE: PRT
252 <213> ORGANISM: Artificial
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255 <223> OTHER INFORMATION: An artificially synthesized peptide sequence
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258 Met Glu Phe Gly Leu Ser Trp Leu Phe Leu Val Ala Ile Leu Lys Gly
259 1 5 10 15
261 Val Gln Cys Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln
262 20 25 30
264 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
265 35 40 45
267 Ser Ser Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
268 50 55 60
270 Glu Trp Val Ser Ala Ile Ser Gly Ser Gly Gly Ser Arg Tyr Tyr Ala
271 65 70 75 80
273 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn
274 85 90 95
276 Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val
277 100 105 110
279 Tyr Tyr Cys Ala Lys Glu Ser Ser Gly Trp Phe Gly Ala Phe Asp Tyr
280 115 120 125
282 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Glu Ile Val Leu Thr
283 130 135 140
285 Gln Ser Pro Asp Phe Gln Ser Val Thr Pro Lys Glu Lys Val Thr Ile
286 145 150 155 160
288 Thr Cys Arg Ala Ser Gln Ser Ile Gly Ser Ser Leu His Trp Tyr Gln
289 165 170 175
291 Gln Lys Pro Asp Gln Ser Pro Lys Leu Leu Ile Lys Tyr Ala Ser Gln
292 180 185 190
294 Ser Phe Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr
295 195 200 205
297 Asp Phe Thr Leu Thr Ile Asn Ser Leu Glu Ala Glu Asp Ala Ala Ala
298 210 215 220
300 Tyr Tyr Cys His Gln Ser Ser Ser Leu Pro Ile Thr Phe Gly Gln Gly
301 225 230 235 240
303 Thr Arg Leu Glu Ile Lys Asp Tyr Lys Asp Asp Asp Lys

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309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial
312 <220> FEATURE:
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320 ctgagactct cctgtgcagc ctctggattc accttttagca gctatgccat gagctgggtc      180
322 cgccaggctc caggaaggg gctggagtgg gtctcagcta ttagtggtag tggtagtagc      240
324 agatactacg cagactccgt gaagggccgg ttcaccatct ccagagacaa ttccaagaac      300
326 acgctgtatc tgcaaatgaa cagcctgaga gccgaggaca cggccgtata ttactgtgcg      360
328 aaagagagca gtggctgggt cggggccttt gactactggg gccagggaac cctggtcacc      420
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332 gtgactccaa aggagaaagt caccatcacc tgccgggcca gtcagagcat tggtagtagc      540
334 ttacactggg accagcagaa accagatcag tctccaaagc tctcatcaa gtatgcttcc      600
336 cagtccttct caggggtccc ctcgaggttc agtggcagtg gatctgggac agatttcacc      660
338 ctcaccatca atagcctgga agctgaagat gctgcagcgt attactgtca tcagagtagt      720
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346 atgagctggg tccgccaggc tccagggaag gggctggagt gggctcagc tattagtggg      960
348 agtggtggta gcagatacta cgcagactcc gtgaagggcc ggttcaccat ctccagagac     1020
350 aattccaaga acacgctgta tctgcaaatg aacagcctga gagccgagga cacggccgta     1080
352 tattactgtg cgaaagagag cagtggctgg ttcggggcct ttgactactg gggccaggga     1140
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356 gactttcagt ctgtgactcc aaaggagaaa gtcaccatca cctgccgggc cagtcagagc     1260
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362 acagatttca ccctcaccat caatagcctg gaagctgaag atgctgcagc gtattactgt     1440
364 catcagagta gtagtttacc gatcaccttc ggccaaggga cacgactgga gattaaagac     1500
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370 <211> LENGTH: 503
371 <212> TYPE: PRT
372 <213> ORGANISM: Artificial
374 <220> FEATURE:
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382          20          25          30
384 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
385          35          40          45
387 Ser Ser Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/582,654

DATE: 06/22/2006
TIME: 12:50:25

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Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/582,654

DATE: 06/22/2006

TIME: 12:50:25

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L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date